

Docket No. 209794US7



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: William M. CANFIELD

SERIAL NO: 10/024,197

GAU: 1652

FILED: December 21, 2001

EXAMINER: SLOBODYANSKY, E.

FOR: HIGHLY PHOSPHORYLATED ACID BETA-GLUCOCEREBROSIDASE AND METHODS OF TREATING GAUCHER'S DISEASE

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

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JUL 25 2003

SIR:

Applicant(s) wish to disclose the following information.

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REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☒ A check is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

07/24/2003 HDAHTE1 00000021 10024197

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180.00 OP

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

Richard L. Chinn, Ph.D.

Registration No. 34,305

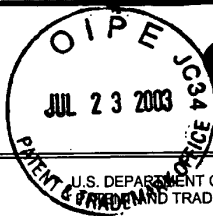


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Tel. (703) 413-3000  
Fax. (703) 413-2220  
(OSMMN 05/03)

Daniel J. Pereira, Ph.D.

Registration No. 45,518

Form PTO 1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

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## LIST OF REFERENCES CITED BY APPLICANT

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
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## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AO	99/31117	06/24/99	WIPO		
	AP					
	AQ					
	AR					

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

AS	Ke-Wei ZHAO, et al., "Purification and characterization of human lymphoblast N-acetylglucosamine-1-phosphotransferase", Glycobiology, Vol. 2, no. 2, pp. 119-125, 1992
AT	Takahiro NAGASE, et al., "Prediction of the Coding Sequences of Unidentified Human Genes. XV. The Complete Sequences of 100 New(cDNA Clones from Brain Which Code for Large Proteins <i>in vitro</i> ", DNA Research, Vol. 6, pp. 337-345, 1999
AU	XP-002226188, "KIAA1208 protein (Fragment)", From Takahiro NAGASE, et al., "Prediction of the Coding Sequences of Unidentified Human Genes. XV. The Complete Sequences of 100 New(cDNA Clones from Brain Which Code for Large Proteins <i>in vitro</i> ", DNA Research, Vol. 6, pp. 337-345, 1999
AV	XP-002226187, "Basic domain/leucine zipper transcription factor (Fragment), From CORDES, et al., "The mouse segmentation gene <i>kr</i> encodes a novel basic domain-leucine zipper transcription factor" (1994), Cell, Vol. 7, No. 9, pp.1025-1034

☐ Additional References sheet(s) attached

Examiner

Date Considered

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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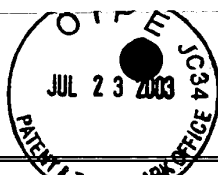
## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	BW	Karen Gheesling MULLIS, et al., "Purification and Kinetic Parameters of Bovine Liver N-Acetylglucosamine-1-phosphodiester alpha-N-Acetylglucosaminidase", The Journal of Biological Chemistry, Vol. 269, No. 3, Issue of January 21, pp. 1718-1726, 1994		
	BX	Jin Kyu LEE, et al., "Purification and Characterization of Human Serum N-Acetylglucosamine-1-phosphodiester alpha-N-Acetylglucosaminidase", Archives of Biochemistry and Biophysics, Vol. 319, No. 2, June 1, pp. 413-425, 1995		
	BY	Theodore PAGE, et al., "Purification and characterization of human lymphoblast N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase", Glycobiology, Vol. 6, no. 6, pp. 619-626, 1996		
	BZ	Thomas J. BARANSKI, et al., "Lysosomal Enzyme Phosphorylation", The Journal of Biological Chemistry, Vol. 267, No. 32, Issue of November 15, pp. 23342-23348, 1992		<input type="checkbox"/> Additional References sheet(s) attached

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	CQ					
	CR					
	CS					
	CT					
	CU					
	CV					

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

CW	Ritva TIKKANEN, et al., "Several cooperating binding sites mediate the interaction of a lysosomal enzyme with phosphotransferase", The EMBO Journal, vol. 16, No. 22, pp. 6684-6693, 1997
CX	Fumito MATSUURA, et al., "Human alpha-galactosidase A: characterization of the N-linked oligosaccharides on the intracellular and secreted glycoforms overexpressed by Chinese hamster ovary cells", Glycobiology, vol. 8, no. 4, pp. 329-339, 1998
CY	Shiroh MAGUCHI, et al., "Elevated Activity and Increased Mannose-6-phosphate in the Carbohydrate Moiety of Cathepsin D from Human Hepatoma <sup>1</sup> ", Cancer Research, Vol. 48, pp. 362-367, January 15, 1988
CZ	Norman W. Barton, et al., "Therapeutic response to intravenous infusions of glucocerebrosidase in a patient with Gaucher disease", Proc. Natl. Acad. Sci. USA, Vol. 87, pp. 1913-1916, March 1990

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